

# ULTRASONIC DIAGNOSTIC DEVICE

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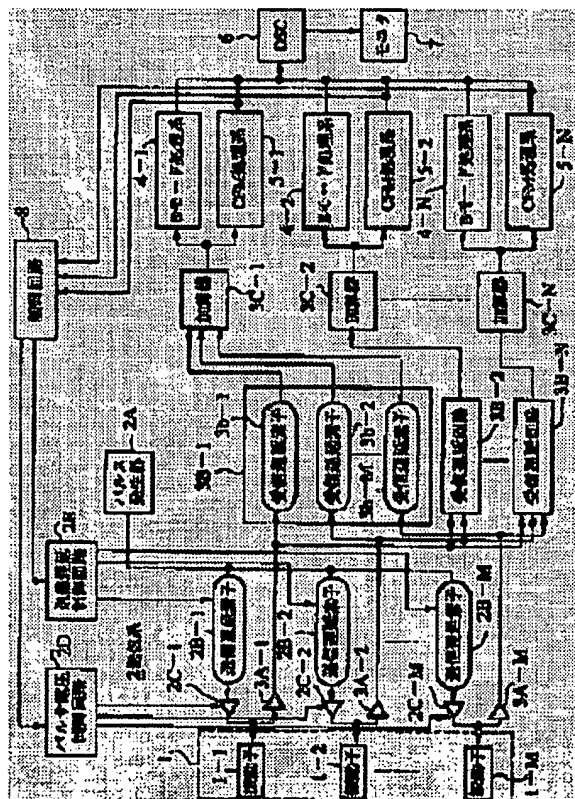
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## Abstract of JP7008492

**PURPOSE:** To reduce the sensitivity deviation among plural rasters by receiving, at the same time for once transmission and to suppress the deterioration of picture by changing at least one of the transmission direction or transmission beam shape based on the comparison result of the signal intensity of the same depth of each reception direction.

**CONSTITUTION:** A control circuit 8 accepts the power P of each raster received, at the same time in different reception directions consisting of color flow mapping processing systems 5-1 1 to 5-N. Based on the comparison result between powers with the same depth of each raster, the delay amount of respective transmission delay elements 2B-1 to 2B-M are controlled through a transmission delay control circuit 2E and the transmission direction is changed. The sensitivity deviation between rasters received at the same time can uniformly be corrected by changing the opening width by selecting vibrators 1-1 to 1-M which are driven through a pulser voltage control circuit 2D.



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